

Title (en)

HIGH PERFORMANCE PURIFIED NATURAL ZEOLITE PIGMENT FOR PAPERMAKING AND PAPER COATING

Title (de)

HOCHLEISTUNGSFÄHIGES GEREINIGTES NATÜRLICHES ZEOLITHPIGMENT FÜR DIE PAPIERHERSTELLUNG UND PAPIERBESCHICHTUNG

Title (fr)

PIGMENT A ZEOLITHE NATUREL PURIFIE HAUTE PERFORMANCE POUR LA FABRICATION ET L'ENDUCTION DE PAPIER

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Application

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Abstract (en)

[origin: WO03014039A1] A high performance purified natural zeolite pigment composition for use in papermaking and paper coating is disclosed. Use of the pigment facilitates manufacture of coated ink jet and digital printing papers with improved quality and economics. The novel zeolite pigment composition can also be used as a supplementary pigment to improve the properties of coated paper and paperboard for flexographic and water-based gravure printing. When used as filler, the novel zeolite pigment composition is readily retained and eliminates print-through in uncoated papers. The novel zeolite pigment is low in abrasion and provides improved coefficient of friction. The novel zeolite pigment is also useful as a microparticulate retention aid in papermaking and as an additive to improve the performance of deinking processes.

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